

PTO/SB/08b (08-03)

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<p>Substitute for form 1449A/PTO</p> <p>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>				Complete if Known	
				Application Number	10/508,959
				Filing Date	August 16, 2005
				First Named Inventor	Chaim GILON et al
				Group Art Unit	1656
				Examiner Name	DESAI, ANAND U
Sheet	1	Of	3	Attorney Docket Number	28557
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	1	Uherek et al. "DNA-Carrier Proteins for Targeted Gene Delivery", Advanced Drug Delivery Reviews, 44: 153-166, 2000.			
	2	Fender et al. "Adenovirus Dodecahedron, A New Vector for Human Gene Transfer", Nature Biotechnology, 15: 52-56, 1997.			
	3	Johnson-Saliba et al. "Distinct Importin Recognition Properties of Histones and Chromatin Assembly Factors", FEBS Letters, 467: 169-174, 2000.			
	4	Luger et al. "Crystal Structure of the Nucleosome Core Particle at 2.8 Å Resolution", Nature, 389: 251-260, 1997.			
	5	Balicki et al. "Histone H2A-Mediated Transient Cytokine Gene Delivery Induces Efficient Antitumor Responses in Murine Neuroblastoma", Proc. Natl. Acad. Sci. USA, 97(21): 11500-11504, 2000.			
	6	Gari?py et al. "Vectorial Delivery of Macromolecules Into Cells Using Peptide-Based Vehicles", Trends in Biotechnology, 19(1): 21-28, 2001.			
	7	Kuismanen et al. "Low Temperature-Induced Transport Blocks as Tools to Manipulate Membrane Traffic", Methods in Cell Biology, 32: 257-274, 1989.			
	8	Vives et al. "Effects of the Tat Basic Domain on Human Immunodeficiency Virus Type 1 Transactivation, Using Chemically Synthesized Tat Protein and Tat Peptides", Journal of Virology, 68(5): 3343-3353, 1994.			
	9	Viv?s et al. "A Truncated HIV-1 Tat Protein Basic Domain Rapidly Translocates Through the Plasma Membrane and Accumulates in the Cell Nucleus", The Journal of Biological Chemistry, 272(25): 16010-16017, 1997.			
	10	Luger et al. "Expression and Purification of Recombinant Histones and Nucleosome Reconstitution", Methods in Molecular Biology: Chromatin Protocols, 119: 1-16, 1999.			
	11	Friedler et al. "Development of A Functional Backbone Cyclic Mimetic of the HIV-1 Tat Arginine-Rich Motif", The Journal of Biological Chemistry, 275(31): 23783-23789, 2000.			
	12	Melchior et al. "Inhibition of Nuclear Protein Import by Nonhydrolyzable Analogues of GTP and Identification of the Small GTPase Ran/TC4 as An Essential Transport Factor", The Journal of Cell Biology, 123(6): 1649-1659, 1993.			
	13	Lundberg et al. "Positively Charged DNA-Binding Proteins Cause Apparent Cell Membrane Translocation, Biochemical and Biophysical Research Communications, 291: 367-371, 2002.			
	14	Skrzypek et al. "Targeting of the Yersinia Pestis YopM Protein Into HeLa Cells and Intracellular Trafficking to the Nucleus", Molecular Microbiology, 30(5): 1051-1065, 1998.			
	15	Elliott et al. "Intercellular Trafficking and Protein Delivery by A Herpesvirus Structural Protein", Cell, 88: 223-233, 1997.			

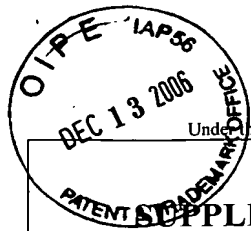
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**SUPPLEMENTAL INFORMATION
DISCLOSURE
STATEMENT BY APPLICANT**
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Sheet	2	Of	3	Attorney Docket Number	28557
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	16	Bayer et al. "Effect of Bafilomycin A1 and Nocodazole on Endocytic Transport in HeLa Cells: Implications for Viral Uncoating and Infection", Journal of Virology, 72(12): 9645-9655, 1998.	
	17	Catizone et al. "Non-Specific Pinocytosis by Human Endothelial Cells Cultured as Multicellular Aggregates: Uptake of Lucifer Yellow and Horse Radish Peroxidase", Cellular and Molecular Biology, 42(8): 1229-1242, 1996.	
	18	Rossi et al. "Structural Analysis of the Substoichiometric and Stoichiometric Microtubule-Inhibiting Biphenyl Analogues of Colchicine", Biochemistry, 35: 3286-3289, 1996.	
	19	Suzuki et al. "Possible Existence of Common Internalization Mechanisms Among Arginine-Rich Peptides", The Journal of Biological Chemistry, 277(4): 2437-2443, 2002.	
	20	Polyakov et al. "Novel Tat-Peptide Chelates for Direct Transduction of Technetium-99m and Rhenium Into Human Cells for Imaging and Radiotherapy", Bioconjugate Chemistry, 11:762-771, 2000.	
	21	Plank et al. "Application of Membrane-Active Peptides for Drug and Gene Delivery Across Cellular Membranes", Advanced Drug Delivery Reviews, 34: 21-35, 1998.	
	22	Friedler et al. "Identification of A Nuclear Transport Inhibitory Signal (NTIS) in the Basic Domain of HIV-1 Vif Protein", Journal of Molecular Biology, 289: 431-437, 1999.	
	23	Karni et al. "A Peptide Derived From the N-Terminal Region of HIV-1 Vpr Promotes Nuclear Import in Permeabilized Cells: Elucidation of the NLS Region of the Vpr", FEBS Letters, 429: 421-425, 1998.	
	24	Efthymiadis et al. "The HIV-1 Tat Nuclear Localization Sequence Confers Novel Nuclear Import Properties", The Journal of Biological Chemistry, 273(3): 1623-1628, 1998.	
	25	Brinkmann et al. "High-Level Expression of Recombinant Genes in Escherichia Coli Is Dependent on the Availability of the DNA-Y Gene Product", Gene, 85: 109-114, 1989.	
	26	Kane "Effects of Rare Codon Clusters on High-Level Expression of Heterologous Proteins in Escherichia Coli", Current Opinion in Biotechnology, 6: 494-500, 1995.	
	27	Brisson et al. "Expression of A bacterial Gene in Plants by Using A Viral Vector", Nature, 310: 511-514, 1984.	
	28	Coruzzi et al. "Tissue-Specific and Light-Regulated Expression of A Pea Nuclear Gene Encoding the Small Subunit of Ribulose-1,5-Bisphosphate Carboxylase", The EMBO Journal, 3(8): 1671-1679, 1984.	
	29	Fingl et al. "General Principles", The Pharmacological Basis of Therapeutics, Sec.I(Chap.1): 1-46, 1975.	

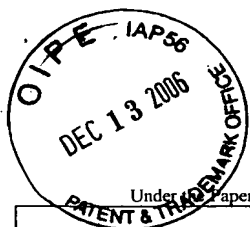
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	30	Forseen et al. "Identification and Relationship of HER-2/Neu Overexpression to Short-Term Mortality in Primary Malignant Brain Tumors", Anticancer Research, 22: 1599-1602, 2002.			
	31	Gardella et al. "Expression of Human Parathyroid Hormone-(1-84) in Escherichia Coli as A Factor X-Cleavable Fusion Protein", The Journal of Biological Chemistry, 265(26): 15854-15859, 1990.			
	32	Goldfarb et al. "Synthetic Peptides as Nuclear Localization Signals", Nature, 322: 641-644, 1986.			
	33	Graessmann et al. "Microinjection of Tissue Culture Cells", Methods in Enzymology, 101(Chap.30): 482-492, 1983.			
	34	Gurley et al. "Upstream Sequences Required for Efficient Expression of A Soybean Heat Shock Gene", Molecular and Cellular Biology, 6(2): 559-565, 1986.			
	35	Hutvagner et al. "RNAi: Nature Abhors A Double-Strand", Current Opinion in Genetics & Development, 12: 225-232, 2002.			
	36	Louis et al. "Genetic Basis of Neurological Tumours", Baillieres Clinical Neurology, 3(2/Chap.7): 335-352, 1994.			
	37	Merrifield "Solid Phase Peptide Synthesis. I. The Synthesis of A Tetrapeptide", Journal of the American Chemical Society, 85: 2149-2154, 1963.			
	38	Gerard "Purification of Glycoproteins", Methods in Enzymology, 182(Chap.40): 529-539, 1990.			
	39	Amos et al. "HLA Typing", Transplantation Immunology, Chap.105: 797-804,			
	40	Sanghvi "Heterocyclic Base Modifications in Nucleic Acids and Their Applications in Antisense Oligonucleotides", Antisense Research and Applications, CRC Press, Chap.15: 273-288, 1993.			
	41	Studier et al. "Use of T7 RNA Polymerase to Direct Expression of Cloned Genes", 'Gene Expression Technology', Methods in Enzymology, 185(Chap.6): 60-89, 1990.			
	42	Sulkowski "Purification of Proteins by IMAC", Trends in Biotechnology, 3(1): 1-7, 1985.			
	43	Takamatsu et al. "Expression of Bacterial Chloramphenicol Acetyltransferase Gene in Tobacco Plants Mediated by TMV-RNA", The EMBO Journal, 6(2): 307-311, 1987.			
	44	Rogers et al. "Gene Transfer in Plants: Production of Transformed Plants Using Ti Plasmid Vectors", Method for Plant Molecular Biology, Sec.VIII: Gene Transfer, Chap.26: 423-463, 1988.			

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